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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/083,226	02/25/2002	Kouji Uno	SIC-01-014	4634

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EXAMINER
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DINH, TRINH VO

ART UNIT	PAPER NUMBER
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2821

DATE MAILED: 04/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/083,226

Applicant(s)

UNO, KOUJI

Examiner

Trinh Vo Dinh

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 25 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Objections*

1. Claims 5-7 and 10-13 are objected to because of the following informalities:

In claims 5-7 and 10-13, "capacitance(s)" should be changed to --capacitor(s)--.

Appropriate correction is required.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 9-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 9, line 3, "the second lamp switch" has no antecedent basis.

In claim 10, line 7, "the battery voltage" has no antecedent basis.

### *Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated Kitamura (USP 6,418,041 B1).

With respect to claims 1, 3, 6-7 and 10, Kitamura discloses a bicycle charge control circuit comprising a lamp switch (60-62) for selectively providing power from the dynamo (Figs. 1, 5, col. 3, lines 38+) to the lamp, a battery capacitor (52, 53, col. 1, lines 60+, col. 2, lines 59+ or col. 5, lines 25+) charged by the dynamo, and a lamp control circuit (50, 51, 52, 53) operatively coupled to the lamp switch and to the battery to control the lamp switch to intermittently supply power when the battery voltage below a selected value (col. 2, lines 50+), wherein the lamp control circuit comprises a first capacitor (52), a first diode (50) coupled for communicating power from the dynamo to the first capacitor during one of a half-cycle of the dynamo, a second capacitor (53), and a second diode (51) coupled for communicating power from the dynamo to the second capacitor during the other one of the half-cycle of the dynamo as well as current from the first capacitor (col. 2, lines 11+).

With respect to claim 2, Kitamura discloses the circuit comprising a rectifier (42, col. 5, lines 25+) that rectifies power from the dynamo to the battery.

With respect to claims 4-5, and 8, Kitamura further discloses a charging switch (60-62) for selectively providing power from the dynamo to the battery, and control circuit (63) controlling the operative of the charging switch (col. 5, lines 50+) wherein the charging switch comprises a charging transistor (60-62, col. 5, lines 57-60) and the first lamp switch comprising a first lamp transistor (60, col. 5, lines 57-60).

With respect to claim 9, Kitamura discloses a second lamp transistor (61, Fig. 7) connected in series with the first lamp transistor (60).

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***Allowable Subject Matter***

6. Claim 11-17 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, and to overcome the objection set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

7. The cited art of record fails to teach the battery comprising a third capacitor.

***Inquiry***


8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (703) 305-4525. The examiner can normally be reached on Monday-Friday from 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong, can be reached on (703) 308-4856. The fax phone number for the organization where this application or proceeding is assigned is 703-308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

*Art unit 2821*

*Trinh Vo Dinh  
April 01, 2003*

  
Don Wong  
Supervisory Patent Examiner  
Technology Center 2800